

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**Draft**

**Title V  
AIR QUALITY PERMIT  
Issued under 401 KAR 52:020**

**Permittee Name:** Trinity Marine Products, Inc.  
**Mailing Address:** 700 Terrace Lane, Paducah, Kentucky 42003

**Source Name:** Trinity Marine Products, Inc.  
**Mailing Address:** 700 Terrace Lane, Paducah, Kentucky 42003

**Source Location:** Same as Above

**Permit Number:** V-04-016  
**Log Number:** 51525  
**Review Type:** Operating  
**Source ID #:** 21-145-00040

**Regional Office:** Paducah Regional Office  
4500 Clarks River Road  
Paducah, KY 42003-0823  
(270) 898-8468

**County:** McCracken

**Application**  
**Complete Date:** October 15, 2003  
**Issuance Date:**  
**Revision Date:**  
**Expiration Date:**

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**John S. Lyons, Director  
Division for Air Quality**

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## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **EU01 (EP01) Coating Room – Fiberglass Reinforced Products**

**Description:** Gel coat Applicators,  
Chopper Units and Impregnators  
Four (4) Resin Storage Tanks  
Capacities: 2405, 2975, 4798 and 5432 gallons  
Control equipment: Dry Filters for Particulate  
Construction commenced: 1981

### **APPLICABLE REGULATIONS:**

- A. 401 KAR 50:012, Major air contaminant source.
- B. 401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.
- C. 401 KAR 63:020, Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.
- D. 40 CFR Subpart WWWW National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production shall become applicable on April 21, 2006. At least six months prior to the compliance date the source shall submit to the Division a Compliance Plan.

### **1. OPERATING LIMITATIONS:**

- 1. Ventilation Port Filters shall be in place at all times during periods of operation.
- 2. Ventilation Port Filters shall be replaced when determined to be inefficient (as determined through visual inspection).
- 3. The permittee must demonstrate compliance with 40 CFR Subpart WWWW by April 21, 2006. See Section D.3 of this permit for Compliance Plan requirements.

### **40 CFR Subpart WWWW 63.5835 General Compliance Requirements:**

- a. The permittee must be in compliance at all times with the work practice standards in Table 7 of this permit, as well as the organic HAP emissions limits in Table 1 of this permit, as applicable, that are being met without the use of add-on controls.
- b. The permittee must be in compliance with all organic HAP emissions limits in 40 CFR Subpart WWWW that are met using add-on controls, except during periods of startup, shutdown, and malfunction.
- c. The permittee must always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR Subpart A, Section 63.6(e)(1)(i).
- d. The permittee must develop and implement a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR Subpart A, Section 63.6(e)(3) for any organic HAP emissions limits being met using add-on control.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****2. EMISSION LIMITATIONS:**

- A. Visible emissions shall not equal or exceed 20% opacity.  
401 KAR 59:010, Section 3(1)(a).
- B. Particulate emissions shall not equal or exceed 2.34 lbs/hour.  
401 KAR 59:010, Section 3(2).
- C. VOC emissions shall be self imposed to less than or equal to 225.0 tons during any twelve (12) consecutive month period.

**Compliance Demonstration:**

PM emitted (lbs) from Gel Coat and Resin = [gallons of coating used] x [density of coating (lbs/gal)] x [% solids] x [2% over spray].

To determine the hourly emission rate: The permittee shall determine the particulate matter emissions from Emission Point 1 by a Method 5 test or engineering evaluation approved by the Division within 60 days of the issuance of this permit.

This source shall be deemed to be in compliance with 401 KAR 50:012 by complying with 40 CFR 63 Subpart WWWW by April 21, 2006. The source shall be deemed in compliance with 401 KAR 50:012 between the issuance date of this permit and April 21, 2006 by demonstrating through monitoring and recordkeeping that VOC emissions do not exceed 225 tons per rolling twelve month period. See Section D.4

A Risk Assessment for styrene emissions shall be submitted to the Division of Air Quality within 180 days of the issuance of this permit. The Risk Assessment will be evaluated by the Department of Environmental Services (DES), Risk Assessment Section. The Division will determine if further action is required by the source upon receiving the recommendations of DES, Risk Assessment Section.

**40 CFR, Subpart WWWW Emission Limitations:**

- 1) Open Molding Atomized Mechanical Resin Application (Spraying), non-CR/HS:  
HAP emission limit = 87 lb/ton

Open Molding Atomized Mechanical Resin Application (Spraying), CR/HS:  
HAP emission limit = 112 lb/ton

Open Molding Tooling Atomized Mechanical Resin Application (Spraying):  
HAP emission limit = 254 lb/ton

**Compliance Demonstration Equation:**

- i) Organic HAP Emission Factor equation for materials with less than 33 % organic HAP - Emission rate in pounds of HAP emitted per ton of resin processed =  $0.169 \times \% \text{HAP} \times 2000$
- ii) Organic HAP Emission Factor equation for materials with 33 % or more organic HAP - Emission rate in pounds of HAP emitted per ton of resin processed =  $((0.714 \times \% \text{HAP}) - 0.18) \times 2000$

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****40 CFR, Subpart WWW Emission Limitations (Continued):**

- 2) Open Molding Non-Atomized Mechanical Resin Application (Laminate):

HAP emission limit = 87 lb/ton

Open Molding Non-Atomized Mechanical Resin Application (Laminate), CR/HS:

HAP emission limit = 112 lb/ton

Open Molding Tooling Non-Atomized Mechanical Resin Application (Laminate):

HAP emission limit = 254 lb/ton

Compliance Demonstration Equation:

- i) Organic HAP Emission Factor equation for materials with less than 33 % organic HAP - Emission rate in pounds of HAP emitted per ton of resin processed =  $0.107 \times \% \text{HAP} \times 2000$
- ii) Organic HAP Emission Factor equation for materials with 33 % or more organic HAP - Emission rate in pounds of HAP emitted per ton of resin processed =  $((0.157 \times \% \text{HAP}) - 0.0165) \times 2000$

- 3) Open Molding Atomized Spray gel coat Application:

HAP emission limit = 377 lb/ton

Open Molding Tooling Atomized Spray Gel Coat Application:

HAP emission limit = 437 lb/ton

Open Molding Atomized Spray, CR, High Performance Gel Coat Application:

HAP emission limit = 605 lb/ton

Compliance Demonstration Equation:

- i) Organic HAP Emission Factor equation for materials with less than 33 % organic HAP - Emission rate in pounds of HAP emitted per ton of gelcoat processed =  $0.446 \times \% \text{HAP} \times 2000$
- ii) Organic HAP Emission Factor equation for materials with 33 % or more organic HAP (19 % organic HAP for non-atomized gel coat) -Emission rate in pounds of HAP emitted per ton of gel coat processed =  $((1.03646 \times \% \text{HAP}) - 0.195) \times 2000$

## SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

### 40 CFR, Subpart WWWW Emission Limitations (Continued):

TABLE 1 – ORGANIC HAP EMISSION LIMITS AND EMISSION FACTOR EQUATIONS

Operation Type	HAP Emission Limit	Emission Factor for materials with 33% or more HAP Content Compliance Demonstration Equation	Emission Factor for materials with less than 33 % HAP Content Compliance Demonstration Equation
Atomized Mechanical Resin Application	87 lb/ton	$EF = ((0.714 \times \%HAP) - 0.18) \times 2000$	$EF = 0.169 \times \%HAP \times 2000$
Atomized Mechanical Resin Application (CR/HS)	112 lb/ton	$EF = ((0.714 \times \%HAP) - 0.18) \times 2000$	$EF = 0.169 \times \%HAP \times 2000$
Tooling Atomized Mechanical Resin Application	254 lb/ton	$EF = ((0.714 \times \%HAP) - 0.18) \times 2000$	$EF = 0.169 \times \%HAP \times 2000$
Non-Atomized Mechanical Resin Application	87 lb/ton	$EF = ((0.157 \times \%HAP) - 0.0165) \times 2000$	$EF = 0.107 \times \%HAP \times 2000$
Non -Atomized Mechanical Resin Application (CR/HS)	112 lb/ton	$EF = ((0.157 \times \%HAP) - 0.0165) \times 2000$	$EF = 0.107 \times \%HAP \times 2000$
Tooling Non - Atomized Mechanical Resin Application	254 lb/ton	$EF = ((0.157 \times \%HAP) - 0.0165) \times 2000$	$EF = 0.107 \times \%HAP \times 2000$
Atomized Spray Gel Coat Application	377 lb/ton	$EF = ((1.03646 \times \%HAP) - 0.195) \times 2000$	$EF = 0.446 \times \%HAP \times 2000$
Tooling Gel Coat Application (CR/HS) or High Performance Gel Coat Application	437 lb/ton	$EF = ((1.03646 \times \%HAP) - 0.195) \times 2000$	$EF = 0.446 \times \%HAP \times 2000$
	605 lb/ton	$EF = ((1.03646 \times \%HAP) - 0.195) \times 2000$	$EF = 0.446 \times \%HAP \times 2000$

Note 1: Organic HAP emissions limits for open molding are expressed as lb of organic HAP emitted per ton of resin or gel coat applied. The permittee must be at or below these values based on a 12-month rolling average.

Note 2: A compliant resin or gel coat means that if its organic HAP content is used to calculate an organic HAP emissions factor, the factor calculated does not exceed the appropriate organic HAP emissions limit shown in Table 1.

Note 3: All operations listed above are open molding with nonvapor suppressed resin.

Note 4: To obtain the organic HAP emissions factor value for an operation with an add-on control device multiply the EF above by the add-on control factor calculated using Equation 1 of 40 CFR Subpart WWWW, Section 63.5810. The organic HAP emissions factors have units of lbs of organic HAP per ton of resin or gel coat applied.

Note 5: Percent HAP means total weight percent of organic HAP (styrene, methyl methacrylate, and any other organic HAP) in the resin or gel coat prior to the addition of fillers, catalyst, and promoters. Input the percent HAP as a decimal, i.e. 33 percent HAP should be input as 0.33, not 33.

Note 6: Corrosion-Resistant (CR), High Strength (HS)

Note 7: See 40 CFR 63 Subpart WWWW, Table 1 and Table 3

## SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

### Options for Meeting 40 CFR Subpart WWW 63.5810 Emission Limitations:

1) If the permittee has chosen to meet the standards for open molding operations by the method of meeting the individual organic HAP emissions limits for each operation, then the following compliance demonstration method shall apply:

- A. Calculate the actual organic HAP emissions factor for each different process stream within each operation type. The permittee must calculate the organic HAP emissions factors using the appropriate equations specified in Table 1 of this permit. If the permittee elects to use an add-on control device to meet the organic HAP emission limit, the permittee must determine the add-on control factor by conducting capture and control efficiency testing. The organic HAP emissions factor calculated from the equations in Table 1 or site-specific emissions factor is multiplied by the add-on control factor to calculate the organic HAP emissions factor after control. Use Equation 1 of this section to calculate the add-on control factor used in the organic HAP emissions factor equation.

$$\text{Eq.1: Add-on Control Factor} = 1 - \frac{\% \text{Control Efficiency}}{100}$$

See Testing Requirements.

- B. Calculate the actual operation organic HAP emissions factor for the last 12 months for each open molding operation type by calculating the weighted average of the individual process stream organic HAP emissions factors within each respective operation. To do this, sum the product of each individual organic HAP emissions factor calculated in paragraph (A) of this section and the amount of neat resin plus and neat gel coat plus used in that operation type. Use Equation 2 of this section to calculate the actual organic HAP emissions factor for each open molding operation type.

$$\text{Eq.2: Actual Operation EF} = \frac{\sum_{i=1}^n (\text{Actual process Stream EF}_i * \text{Material}_i)}{\sum_{i=1}^n \text{Material}_i}$$

Where

**Operation** means a specific process typically found at a reinforced plastic composites facility. Examples of operations are noncorrosion – resistant manual resin application, corrosion – resistant mechanical resin application, pigmented gel coat application, mixing and HAP – containing materials storage.

**Process stream** is defined as each individual combination of resin or gel coat, application technique, and control technique. Process streams within operations types are considered different from each other if any of the following three characteristics vary:

- i) The neat gel coat plus organic HAP content
- ii) The application technique
- iii) The control technique

## SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

### Options for Meeting 40 CFR Subpart WWW 63.5810 Emission Limitations (Continued):

*Actual Process Stream  $EF_i$*  = actual organic HAP emissions factor for process stream i, lbs/ton

*Material<sub>i</sub>* = neat resin plus or neat gel coat plus used during the last 12 calendar months for process stream i, tons

*n* = number of process streams where you calculated an organic HAP emissions factor  
Neat resin means the resin as purchased from the supplier, but not including any inert fillers.

Neat resin plus means the neat resin plus any organic HAP-containing materials that are added to resin by the supplier or the facility. Neat resin plus does not include any added filler, reinforcements, catalysts, or promoters. Neat resin does include any additions of styrene or methyl methacrylate monomer in any form, including in catalysts and promoters.

Neat gel coat means the resin as purchased from the supplier, but not including any inert fillers.

Neat gel coat plus means neat gel coat plus any organic HAP-containing materials that are added to the gel coat by the supplier or the facility, excluding catalysts and promoters. Neat gel coat plus does include any additions of styrene or methyl methacrylate monomer in any form, including catalysts and promoters.

- C. Compare each organic HAP emissions factor calculated in paragraph (B) of this section with its corresponding organic HAP emissions limit in Table 1 of this permit. If all emissions factors are equal to or less than their corresponding emission limits, then compliance has been demonstrated.
- 2) If the permittee has chosen to meet the standards for open molding operations by the method of averaging HAP emissions factors, then the following compliance demonstration method shall apply:
    - A. Each month calculate the weighted average organic HAP emissions limit for all open molding operations for the facility for the last 12-month period to determine the organic HAP emissions limit you must meet. To do this multiply the individual organic HAP emissions limits in Table 1 for each open molding operation type by the amount of neat resin plus or neat gel coat plus used in the last 12 months for each open molding operation type, sum these results, and then divide this sum by the total amount of neat resin plus and neat gel coat plus used in open molding over the last 12 months. Use Equation 3 of this section to calculate the weighted average organic HAP emissions limit for all open molding operations.

$$\text{Eq. 3: Weighted Average Emission Limit} = \frac{\sum_{i=1}^n (EL_i \times \text{Material}_i)}{\sum_{i=1}^n \text{Material}_i}$$

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Options for Meeting 40 CFR Subpart WWW 63.5810 Emission Limitations (Continued):**

Where

***EL<sub>i</sub>*** = organic HAP emissions limit for operation type i, lbs/ton from Table 1 of this permit.

***Material<sub>i</sub>*** = neat resin plus neat gel coat plus used during the last 12-month period for operation type i, tons

***n*** = number of operations

- B. Each month calculate the actual weighted average organic HAP emissions factor for open molding. To do this, multiply the actual open molding operation organic HAP emissions factors and the amount of neat resin plus and neat gel coat plus used in each open molding operation type, sum the results, and divide this sum by the total amount of neat resin and neat gel coat plus used in open molding operations. The permittee must calculate the actual individual HAP emissions factors for each operation type as described in paragraphs (1A) and (1B) of this section. Use Equation 4 of this section (2B) to calculate your actual weighted average organic HAP emissions factor.

$$\text{Eq. 4: Weighted Average Organic HAP} = \frac{\sum_{i=1}^n (\text{Actual Operation } EF_i \times \text{Material}_i)}{\sum_{i=1}^n \text{Material}_i}$$

Where

***Actual Operation EF<sub>i</sub>*** = Actual organic HAP emissions factor for operation type i, lbs/ton

***Material<sub>i</sub>*** = neat resin plus or neat gel coat plus used during the last 12 months for operation type i,

***n*** = number of operations

- C. Compare the values calculated in paragraphs (2A) and (2B) of this section. If each 12-month rolling average organic HAP emissions factor is less than or equal to the corresponding 12-month rolling average organic HAP emissions limit, then compliance has been demonstrated.
- 3) If the permittee has multiple operation types, meets the organic HAP emissions limit for one operation type, and uses the same resin(s) for all operations of that resin type then the option below may be applied. If there is more than one operation type, the permittee may elect to meet the emission limit for one of those operations, and use the same resin(s) in all other open molding operations.
- A. This option is limited to resins of the same type. The resin types for which this option may be used are noncorrosion – resistant, corrosion – resistant and/or high strength, and tooling.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Options for Meeting 40 CFR Subpart WWW 63.5810 Emission Limitations (Continued):**

- B. For any combination of manual resin application and mechanical resin application, the permittee may elect to meet the organic HAP emissions limit for either one of these operations and use that operation's same resin in the other resin operation listed in this paragraph. Table 3 of this permit presents the possible combinations based on a facility selecting the application process that results in the highest allowable organic HAP content resin. If the resin organic HAP content is below the applicable values shown in Table 3, then the permittee is in compliance.
- C. The permittee may also use a weighted average organic HAP content for each operation described in paragraph (3)(B) of this section. Calculate the weighted average organic HAP content monthly. Use Equation 2 in section (1)(B), except substitute organic HAP content for organic HAP emissions factor. The permittee is in compliance if the weighted average organic HAP content based on the last 12 months of resin use is less than or equal to the applicable organic HAP contents in Table 3 of this permit.
- D. The permittee may simultaneously use the averaging provisions in paragraph (b) of this section to demonstrate compliance for any operation and/or resins not included in the permittee's compliance demonstrations in paragraphs (3)(A) and (B) of this section. However, any resins for which compliance is claimed under the option in paragraphs (3)(A) and (B) of this section may not be included in any of the averaging calculations described in paragraphs (1) or (2) of this section used for resins for which the permittee is not claiming compliance under this option.
- 4) The permittee may choose to meet the standards for open molding operations by using resins and gel coats that do not exceed the maximum organic HAP emission limits shown in Table 3 of 40 CFR 63 Subpart WWW.

**REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Options for Meeting 40 CFR Subpart WWW 63.5810 Emission Limitations (Continued):**

TABLE 2 – OPTIONS ALLOWING USE OF THE SAME RESIN ACROSS DIFFERENT OPERATIONS THAT USE THE SAME RESIN TYPE

If the facility has the following resin type and application method	The highest resin weight percent organic HAP content, or weighted average weight percent organic HAP content that can be used	Is
1. CR/HS resins, nonatomized mechanical	CR/HS manual	46.2
2. Non CR/HS resins, nonatomized mechanical	CR/HS manual	38.4
3. Tooling resins, nonatomized mechanical	Tooling manual	91.4
4. Tooling resins, manual	Tooling atomized mechanical	45.9

Note 1: See Table 7 of 40 CFR 63 Subpart WWW.

3. **TESTING REQUIREMENTS:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. **See Specific Monitoring Requirements**
- The permittee shall determine the particulate matter emissions from Emission Point 1 by a Method 5 test or engineering evaluation approved by the Division within 60 days of the issuance of this permit.

**40 CFR, Subpart WWW 63.5840 – 63.5850 Testing Requirements:**

- 1) If the permittee is using any add-on controls to meet an organic HAP emissions limit in 40 CFR, Subpart WWW, then the permittee must conduct each performance test, performance evaluation, and design evaluation in 40 CFR part 63 Subpart SS, that applies. The basic requirements for performance tests, performance evaluations, and design evaluations are presented in Table 5 of this permit. The compliance date is April 21, 2006.
- 2) The permittee must conduct performance tests, performance evaluations, design evaluations, capture efficiency testing, and other initial compliance demonstrations by the compliance date.
- 3) Open molding operations that elect to meet an organic HAP emissions limit on a 12-month rolling average must initiate collection of the required data on the compliance date, and demonstrate compliance 1 year after the compliance date. New sources that use add-on controls to initially meet compliance must demonstrate compliance 180 days after their compliance date.
- 4) The permittee must conduct a performance test every 5 years following the initial performance test for any standard the permittee meets with an add-on control device.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE**

**REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****40 CFR, Subpart WWW 63.5850 Testing Requirements (Continued):****Performance Tests, Performance Evaluations, and Design Evaluations:**

- a. If the permittee is using any add-on controls to meet an organic HAP emissions limit in 40 CFR Subpart WWW, the permittee must conduct each performance test, performance evaluation, and design evaluation in 40 CFR part 63, subpart SS that applies. The basic requirements for performance tests, performance evaluations, and design evaluations are presented in Table 5 of this permit.
- b. Each performance test must be conducted according to the requirements in 40 CFR part 63 Subpart A, Section 63.7(e)(1) and under specific conditions that 40 CFR part 63 subpart SS specifies.
- c. Each performance evaluation must be conducted according to the requirements in 40 CFR part 63 Subpart A, Section 63.8(e) as applicable and under the specific conditions that 40 CFR part 63, Subpart SS specifies.
- d. The permittee may not conduct performance tests or performance evaluations during periods of startup, shutdown, or malfunction, as specified in 40 CFR part 63 Subpart A, Section 63.7 (e)(1)
- e. The permittee must conduct the control device performance test using the emission measurement methods specified in paragraphs (e)(1) through (5) of this section.
  1. Use either Method 1 or 1A of appendix A to 40 CFR part 60, as appropriate, to select the sampling sites.
  2. Use Method 2, 2A, 2C, 2D, 2F or 2G of appendix A to 40 CFR part 60, as appropriate to measure gas volumetric flow rate.
  3. Use Method 18 of appendix A to 40 CFR part 60 to measure organic HAP emissions or use Method 25A of appendix A to 40 CFR part 60 to measure total gaseous organic emissions as a surrogate for total organic HAP emissions. If the permittee elects to use Method 25A, it must be assumed that all gaseous organic emissions measured as carbon are organic HAP emissions. If the permittee elects to use Method 18 and the number of organic HAP in the exhaust stream exceeds five, the permittee must take into account the use of multiple chromatographic columns and analytical techniques to get an accurate measure of at least 90 percent of the total organic HAP mass emissions. Do not use Method 18 to measure organic HAP emissions from a combustion device; use Method 25A instead and assume that all gaseous organic mass emissions measured as carbon are organic HAP emissions.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**40 CFR, Subpart WWW 63.5850 Testing Requirements (Continued):****Performance Tests, Performance Evaluations, and Design Evaluations (Continued):**

4. The permittee may use American Society for Testing and Materials (ASTM) D6420-99 (available for purchase from at least one of the following addresses: 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; or University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.) in lieu of Method 18 of 40 CFR part 60, appendix A, under the conditions specified in paragraphs (c)(4)(i) through (iii) of this section.
  - (i) If the target compound(s) is listed in Section 1.1 of ASTM D6420-99 and the target concentration is between 150 parts per billion by volume and 100 part per million by volume.
  - (ii) If the target compound(s) is not listed in Section 1.1 of ASTM D6420-99, but is potentially detected by mass spectrometry, an additional system continuing calibration check after each run, as detailed in Section 10.5.3 of ASTM D6420-99, must be followed, met, documented, and submitted with the performance test report even if the permittee does not use a moisture condenser or the compound is not considered soluble.
  - (iii) If a minimum of one sample/analysis cycle is completed at least every 15 minutes.
5. Use the procedures in EPA Method 3B of appendix A to 40 CFR part 60 to determine an oxygen correction factor if required by 40 CFR Subpart SS, Section 63.997(e)(2)(iii)(C). The permittee may use American Society of Mechanical Engineers (ASME) PTC 19-10-1981-Part 10 (available for purchase from ASME, P.O. Box 2900, 22 Law Drive, Fairfield, New Jersey, 07007-2900, or online at <http://www.asme.org/catalog>) as an alternative to EPA Method 3B of appendix A to 40 CFR part 60.
- f. The control device performance test must consist of three runs and each run must last at least 1 hour. The production conditions during the test runs must represent normal production conditions with respect to the types of parts being made and material application methods. The production conditions during the test must also represent maximum potential emissions with respect to the organic HAP content of the materials being applied and material application rates.
- g. If you are using a concentrator/oxidizer control device, you must test the combined flow upstream of the concentrator, and the combined outlet flow from both the oxidizer and concentrator to determine the overall control device efficiency. If the outlet flow from the concentrator and oxidizer are exhausted in separate stacks, you must test both stacks simultaneously with the inlet to the concentrator to determine the overall control device efficiency.
- h. During the test, you must also monitor and record separately the amounts of production resin, tooling resin, pigmented gel coat, clear gel coat, and tooling gel coat applied inside the enclosure that is vented to the control device.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**40 CFR, Subpart WWW 63.5855 Monitor Installation and Operation Requirements:**

The permittee must monitor and operate all add-on control devices according to the procedures in 40 CFR part 63, subpart SS.

**40 CFR 63 Subpart WWW 63.5860 Initial Compliance with Testing Standards:**

- a. Use the procedures shown in Tables 3 and 4 of this permit to demonstrate compliance with each organic HAP emissions standard in paragraphs (a) through (h) of 40 CFR Subpart WWW, Section 63.5805 that applies.
- b. If using an add-on control device to demonstrate compliance, the permittee must also establish each control device operating limit in 40 CFR part 63, Subpart SS that applies.

TABLE 3 – INITIAL COMPLIANCE WITH ORGANIC HAP EMISSIONS LIMITS

For	That must meet the following organic HAP emissions limit	The permittee has demonstrated initial compliance if
1. Open molding, centrifugal casting operations	a. An organic HAP emissions limit shown in Table 1 of this permit	i. The appropriate organic HAP emissions limits for these operations as calculated using the procedures in 40 CFR Subpart WWWW, Section 63.5810 on a 12-month rolling average 1 year after the appropriate compliance date has been met, or
		ii. It has been demonstrated by using the appropriate values in Table 3 of this 40 CFR 63 Subpart WWWW that all resins and gel coats considered individually meet the appropriate organic HAP contents, or
		iii. It has been demonstrated by using the appropriate values in 40 CFR Subpart WWWW, Table 7 that the weighted average of all resins and gel coats for each resin type and application method meet the appropriate organic HAP contents.

Note: See 40 CFR 63 Subpart WWWW, Table 8.

TABLE 4 – INITIAL COMPLIANCE WITH WORK PRACTICE STANDARDS

For	That must meet the following standard	Permittee has demonstrated compliance if
1. A new or existing cleaning operation	Not use cleaning solvents that contain HAP, except that styrene may be used in closed systems, and organic HAP containing materials may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin between storage and applying resin to the mold or reinforcement	The owner operator submits a certified statement in the notice of compliance status that all cleaning materials, except styrene contained in closed systems, or materials used to clean cured resin from application equipment contain no HAP.
2. A new or existing materials HAP-containing materials storage operation	Keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety	The owner operator submits a certified statement in the notice of compliance status that all HAP-containing storage containers are kept closed or covered except when adding or removing materials, and that any bulk storage tanks are vented only as necessary for safety.

Note: See 40 CFR 63 Subpart WWWW, Table 9.

## SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

**TABLE 5 – BASIC REQUIREMENTS FOR PERFORMANCE TESTS, PERFORMANCE EVALUATIONS, AND DESIGN EVALUATIONS FOR NEW AND EXISTING SOURCES USING ADD-ON CONTROL DEVICES**

For	Permittee must	Using	According to the following requirements
1. Each enclosure used to collect and route organic HAP emissions to an add-on control device that is a PTE	Meet the requirements for a PTE	EPA method 204 appendix M of 40 CFR part 51	Enclosures that meet the requirements of EPA method 204 of appendix M of 40 CFR part 51 for a PTE are assumed to have a capture efficiency of 100%. Note that the criteria that all access doors and windows that are not treated as natural draft openings shall be closed during routing operation of the process is not intended to require that these doors and windows be closed at all times, it means that doors and windows must be closed any time that parts or equipment are not actually moving through them. Also, any styrene retained in hollow parts and liberated outside the PTE is not considered to be a violation of the EPA method 204 criteria.
2. Each enclosure used to collect and route organic HAP emissions to an add-on control device that is not a PTE	a. Determine the capture efficiency of each enclosure used to capture organic HAP emissions sent to an add-on control device	i. EPA method 204B through E of appendix M of 40 CFR part 51, or	(1) Enclosures that do not meet the requirements for a PTE must determine the capture efficiency by constructing a temporary total enclosure according to the requirements of EPA method 204 of appendix M of 40 CFR part 51 and measuring the mass flow rates of the organic HAP in the exhaust streams going to the atmosphere and to the control device. Test runs for EPA methods 204B through E of appendix M of 40 CFR part 51 must be at least 3 hours.
		ii. An alternative test method that meets the requirements in 40 CFR part 61, appendix M	(1) The alternative test method must meet the data quality objectives and lower confidence limit approaches for alternative capture efficiency protocols requirements contained in 40 CFR part 63 Subpart KK, appendix A.
3. Each control device used to comply with a percent reduction requirement, or an organic HAP emissions limit	Determine the capture efficiency of each control device used to control organic HAP emissions	The test methods specified in 40 CFR Subpart WWWW, Section 63.5850	Testing and evaluation requirements are contained in 40 CFR part 63, Subpart SS and section 63.5850 of 40 CFR Subpart WWWW
4. Determining organic HAP emissions factor for any operation	Determine the mass organic HAP emissions rate	The test methods specified in section 63.5850 of 40 CFR Subpart WWWW	Testing and evaluation requirements are contained in 40 CFR part 63, Subpart SS and section 63.5850 of 40 CFR Subpart WWWW

Note: See 40 CFR 63 Subpart WWWW, Table 6.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **4. SPECIFIC MONITORING REQUIREMENTS:**

1. Visual emissions observations from the coating room shall be made weekly.
2. In addition, once per calendar quarter, EPA Reference Method 9 or equivalent reading shall be performed.
3. Operating Limitation #1 and #2 shall be monitored daily before commencement of coating room operations.
4. VOC emissions shall be monitored. See Recordkeeping Requirements.

**40 CFR, Subpart WWW 63.5895 Monitoring Requirements**

- a. During production, the permittee must collect and keep a record of data as indicated in 40 CFR part 63, subpart SS, if an add-on control device is being used to demonstrate compliance.
- b. The permittee must monitor and collect data as specified in paragraphs (b)(1) through (4) of this section.
  1. Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero span adjustments), you must conduct all monitoring in continuous operation (or collect data at all required intervals) at all times that the affected source is operating.
  2. The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes to 40 CFR 63 Subpart WWW, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee must use all the data collected during all other periods in assessing the operation of the control device and associated system.
  3. At all times, the permittee must maintain necessary parts for routine repairs of the monitoring equipment.
  4. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring equipment to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- c. The permittee must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if the permittee is meeting any organic HAP emissions limits based on an organic HAP emissions limit in Table 1 of this permit. Resin use records may be based on purchase records if the permittee can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****40 CFR, Subpart WWW 63.5895 – 63.5900 Monitoring Requirements (Continued):**

- d. If the permittee initially demonstrates that all resin and gel coats individually meet the

applicable organic HAP emissions limits, or organic HAP content limits, then resin and gel coat use records are not required. However, the permittee must include a statement in each compliance report that all resin and gel coats still meet the organic HAP limits for compliant resins and gel coats shown in Table 1. If after this initial demonstration, the permittee changes to a higher organic HAP resin or gel coat, or increases the resin or gel coat organic HAP content, or changes to a higher-emitting resin or gel coat application method, then the permittee must either again demonstrate that all resin and gel coats still meet the applicable organic HAP emissions limits, or begin collecting resin and gel coat use records and calculate compliance on a 12-month rolling average.

**Compliance Demonstration for Monitoring Requirements:**

- a. The permittee must demonstrate continuous compliance with each standard in 40 CFR Subpart WWW, Section 63.5805 that applies to the permittee according to the methods specified in paragraphs (a)(1) through (3) of this section.
  1. Compliance with organic HAP emissions limits for sources using add-on control devices is demonstrated following the procedures in 40 CFR part 63, Subpart SS. Sources using add-on controls may also use continuous emissions monitors to demonstrate continuous compliance as an alternative to control parameter monitoring.
  2. Compliance with organic HAP emissions limits is demonstrated by maintaining an organic HAP emissions factor value less than or equal to the appropriate organic HAP emissions limit listed in Table 1 of this permit, on a 12-month rolling average, or by including in each compliance report a statement that all resin and gel coats meet the appropriate organic HAP emissions limits as discussed in 40 CFR Subpart WWW, Section 63.5895(d).
  3. Compliance with the work practice standards in Table 6 of this permit is demonstrated by performing the work practice required for the operation.
- b. The permittee must report each deviation from each standard in 40 CFR Subpart WWW, Section 63.5805 that applies to the permittee. The deviations must be reported according to the requirements in 40 CFR Subpart WWW, Section 63.5910.
- c. Except as provided in paragraph (d) of this section, during periods of startup, shutdown or malfunction, the permittee must meet the organic HAP emissions limits and work practice standards that apply.
- d. When an add-on control device is used to meet standards in 40 CFR Subpart WWW, Section 63.5805, the permittee is not required to meet those standards during periods of startup, shutdown, or malfunction, but must operate the affected source in accordance with the startup, shutdown, and malfunction plan.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**40 CFR, Subpart WWW 63.5900 Monitoring Requirements (Continued):**

**Compliance Demonstration for Monitoring Requirements (Continued):**

- e. Consistent with 40 CFR Subpart A, Section 63.6(e) and 63.7(e)(1), deviations that occur during a period of malfunction for those affected sources and standards specified in paragraph (d) of this section are not violations if you demonstrate to the Division's satisfaction that operation was in accordance with the startup, shutdown, and malfunction plan. The Division will determine whether deviations that occur during a period of startup, shutdown, and malfunction are violations, according to the provisions in 40 CFR Subpart A, Section 63.6(e).

TABLE 6 – WORK PRACTICE STANDARDS

For	Permittee must
1. A new or existing cleaning operation	Not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.
2. A new or existing HAP-containing materials storage operation	Keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

Note: See 40 CFR 63 Subpart WWW, Table 4.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **5. SPECIFIC RECORDKEEPING REQUIREMENTS:**

1. A log shall be kept of all emission observations. Notification in the weekly log shall be made of, but not limited to the following:

- (a) Whether any air emissions (except for water vapor) were visible from the plant.
- (b) Whether the visible emissions were normal for the process.
- (c) Whether the emissions were light or heavy.
- (d) The cause of any abnormal emissions, and any corrective actions taken.
- 2. Date and results of filter inspections shall be recorded when monitored.
- 3. The Permittee shall maintain monthly records of the purchase and usage of resin, gel coats or any VOC containing material. VOC emissions shall be calculated and recorded on a monthly basis. These records shall be summarized in tons per month VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. These records, as well as purchase orders and invoices for all VOC containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

**40 CFR, Subpart WWW 63.5915 – 63.5920 Record Keeping Requirements**

- a. The permittee must keep records listed in paragraphs (a)(1) through (3) of this section.
  - 1. A copy of each notification and report that you submitted to comply with 40 CFR Subpart WWW, including all documentation supporting any Initial Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Subpart A, Section 63.10(b)(2)(xiv).
  - 2. The records in 40 CFR Subpart A, Section 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
  - 3. Records of performance tests, design, and performance evaluations as required by 40 CFR Subpart A, Section 63.10(b)(2).
- b. If an add-on control device is used, the permittee must keep all records required in 40 CFR part 63, Subpart SS, to show continuous compliance with this subpart.
- c. The permittee must keep all data, assumptions, and calculations used to determine organic HAP emissions factors or average organic HAP contents for operations listed in Table 1.
- d. The permittee must keep a certified statement that compliance with the applicable work practice requirements in Table 6 is maintained.
- e. The permittee must maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR Subpart A, Section 63.10(b)(1).

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**40 CFR, Subpart WWW 63.5915 – 63.5920 Record Keeping Requirements (Continued)**

- f. As specified in 40 CFR Subpart A, Section 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance,

corrective action, report, or record.

- g. The permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR Subpart A, Section 63.10(b)(1). Records may be kept offsite for the remaining 3 years.
- h. The permittee may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

**6. SPECIFIC REPORTING REQUIREMENTS:**

See Section F(5).

**40 CFR 63, Subpart WWW 63.5905 – 63.5910 Reporting Requirements:**

- a. The permittee must submit all of the notifications in Table 7 that apply by the dates specified in Table 7 of this permit. The notifications are described more fully in 40 CFR part 63, Subpart A, referenced in Table 7.
- b. If the permittee changes any information submitted in any notification, the permittee must submit the changes in writing to the Division within 15 calendar days after the change.
- c. The permittee must submit each report in Table 8 of this permit that applies. Unless the Division has approved a different schedule for submission of reports under 40 CFR Subpart A, Section 63.10(a), the permittee must submit each report by the date specified in Table 8 and according to paragraphs (c)(1) through (5) of this section.
  - 1. The first compliance report must cover the period beginning on the compliance date that is specified for the permittee's affected source in 40 CFR Subpart WWW, Section 63.5800 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for the source in 40 CFR Subpart WWW, Section 63.5800.
  - 2. The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for the affected source in 40 CFR Subpart WWW, Section 63.5800.
  - 3. Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
  - 4. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**40 CFR 63, Subpart WWW 63.5905 – 63.5910 Reporting Requirements (Continued):**

- 5. For each affected source that is subject to permitting requirements pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR Section 70.6(a)(3)(iii)(A) or Section

71.6(a)(3)(iii)(A), the permittee may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (c)(1) through (4) of this section.

- d. The compliance report must contain the information in paragraphs (c)(1) through (6) of this section:
1. Company name and address.
  2. Statement by a responsible official with that official's name, title, and signature, certifying the truth accuracy, and completeness of the content of the report.
  3. Date of the report and beginning and ending dates of the reporting period.
  4. If the permittee had a startup, shutdown, or malfunction during the reporting period and took actions consistent with the startup, shutdown, and malfunction plan, the compliance report must include the information in 40 CFR Subpart A, Section 63.10(d)(5)(i).
  5. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that apply and there are no deviations from the requirements for work practice standards in Table 6 of this permit, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.
  6. If there were no periods during which the continuous monitoring system (CMS), including a continuous emissions monitoring system (CEMS) and an operating parameter monitoring system were out of control, as specified in 40 CFR Subpart A, Section 63.8(c)(7), a statement that there were no periods during which the CMS was out of control.
- e. For each deviation from an organic HAP emissions limitation (i.e., emissions limit and operating limit) and for each deviation from the requirements for a work practice standards that occurs at an affected source where the permittee is not using a CMS to comply with the organic HAP emissions limitations or work practice standards in 40 CFR Subpart WWW, the compliance report must contain the information in paragraphs (d)(1) through (4) of this section and in paragraphs (e)(1) and (2) of this section.
- CFR This includes periods of startup, shutdown, and malfunction.
1. The total operating time of each affected source during the reporting period.
  2. Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **40 CFR 63, Subpart WWW 63.5905 – 63.5910 Reporting Requirements (Continued):**

- f. For each deviation from an organic HAP emissions limitation (i.e., emissions limit and operating limit) occurring at an affected source where the permittee is using a CMS to comply with the organic HAP emissions limitation in 40 CFR Subpart WWW, the

permittee must include the information in paragraphs (d)(1) through (4) of this section and in paragraphs (f)(1) through (12) of this section. This includes periods of startup, shutdown, and malfunction.

1. The date and time that each malfunction started and stopped.
  2. The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
  3. The date, time, and duration that each CMS was out of control, including the information in 40 CFR Subpart A, Section 63.8(c)(8).
  4. The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction, or during another period.
  5. A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
  6. A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.
  7. A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
  8. An identification of each organic HAP that was monitored at the affected source.
  9. A brief description of the process units.
  10. A brief description of the CMS.
  11. The date of the latest CMS certification or audit.
  12. A description of any changes in CMS, processes, or controls since the last reporting period.
- g. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 8 to this permit along with, or as part of, the semiannual monitoring report required by Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any organic HAP emissions limitation (including any operating limit) or work practice requirement in this permit, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.
- h. Submit compliance reports and startup, shutdown, and malfunction reports based on the requirements in Table 8 of this permit and not based on the requirements in 40 CFR Subpart SS, Section 63.999.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **40 CFR 63, Subpart WWW 63.5905 –63.5910 Reporting Requirements (Continued):**

TABLE 7 – APPLICABILITY AND TIMING OF NOTIFICATIONS

If the affected facility	The permittee must submit	By this date
1. Is an existing source subject to 40 CFR Subpart WWWW	An Initial Notification containing the Information specified in 40 CFR Subpart A, Section 63.9(b)(2)	No later than the dates specified in 40 CFR Subpart A, Section 63.9(b)(2)
2. Is a new source subject to 40 CFR Subpart WWWW	The notification specified in 40 CFR Subpart A, Section 63.9(b)(4 and 5)	No later than the dates specified in 40 CFR Subpart A, Section 63.9(b)(4 and 5)
3. Qualifies for a compliance extension as specified in 40 CFR Subpart A, Section 63.9(c)	A request for a compliance extension as specified in 40 CFR Subpart A, Section 63.9(c)	No later than the dates specified in 40 CFR Subpart A, Section 63.6(i)
4. Is complying with organic HAP emissions limit averaging provisions	A Notification of Compliance Status as specified in 40 CFR Subpart A, Section 63.9(h)	No later than 1 year plus 30 days after the facility's compliance date.
5. Is complying with the organic HAP content limits, application equipment requirements, or organic HAP emissions limit other than organic HAP emissions limit averaging	A Notification of Compliance Status as specified in 40 CFR Subpart A, Section 63.9(h)	No later than 30 calendar days after the facility's compliance date
6. Is complying by using an add-on control device	a. A notification of intent to conduct a performance test as specified in 40 CFR Subpart A, Section 63.9(e)	No later than the dates specified in 40 CFR Subpart A, Section 63.9(e)
	b. A notification of the date for the CMS performance evaluation as specified in 40 CFR Subpart A, Section 63.9(g)	The date of submission of notification of intent to conduct a performance test
	c. A Notification of Compliance Status as specified in 40 CFR Subpart A, Section 63.9(h)	No later than 60 calendar days after the completion of the add-on control device performance test and CMS performance evaluation

Note: See 40 CFR 63 Subpart WWWW, Table 13.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **40 CFR 63, Subpart WWWW 63.5905 –63.5910 Reporting Requirements (Continued):**

TABLE 8 – REQUIREMENT FOR REPORTS

Permittee must submit a(n)	The report must contain	Permittee must submit the report
1. Compliance report	a. A statement that there were no deviations during the reporting period if there were no deviations from any emission limitations (emission limits, operating limit, opacity limit, and visible emission limit) that apply to the permittee and there were no deviations from the requirements for work practice standards in Table 5 of this permit that apply. If there were no periods during which the CMS, including CEMS, and operating parameter monitoring systems, was out of control as specified in 40 CFR Subpart A, Section 63.8(c)(7), the report must also contain a statement that there were no periods which the CMS was out of control during the reporting period.	Semiannually according to the requirements in 40 CFR Subpart WWWW, Section 63.5910(b)
	b. The information in 40 CFR Subpart WWWW, Section 63.5910(d) if a deviation occurs from any emission limitation (emission limit, operating limit, or work practice standard) during the reporting period. If there were periods during which the CMS, including CEMS, and operating parameter monitoring systems, was out of control, as specified in 40 CFR Subpart A, Section 63.8(c)(7), the report must contain the information in 40 CFR Subpart WWWW, Section 63.5910(e)	Semiannually according to the requirements in 40 CFR Subpart WWWW, Section 63.5910(b)
	c. The information in 40 CFR Subpart A, Section 63.10(d)(5)(i) if startup, shutdown or malfunction occurred during the reporting period, and the permittee took actions consistent with the startup, shutdown, and malfunction plan.	Semiannually according to the requirements in 40 CFR Subpart WWWW, Section 63.5910(b)
2. An immediate startup, shutdown and malfunction report if the permittee has a startup, shutdown, or malfunction during the reporting period that is not consistent with the startup, shutdown, and malfunction plan.	a. Actions taken for the event	By fax or telephone within 2 working days after the starting actions inconsistent with the plan.
	b. The information in 40 CFR Subpart A, Section 63.10(d)(5)(ii)	By letter within 7 working days after the end of the event unless alternative arrangements have been made with the Division. (40 CFR Subpart A, Section 63.10(d)(5)(ii))

Note: See 40 CFR 63 Subpart WWWW, Table 14

7. **SPECIFIC CONTROL EQUIPMENT OPERATING CONDITIONS:**

None

8. **ALTERNATE OPERATING SCENARIOS:** None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

EU02 (EP25)

**Fuel Oil Space Heaters**

**Description:** Fifteen (15) Distillate Fuel Oil Fired Space Heaters

Rated Capacity: 3.675 MMBTU/HR Total

Fuel: Distillate Fuel Oil No. 2

Date installed: 2/1/81

**APPLICABLE REGULATIONS:**

401 KAR 59:015, New indirect heat exchanger, applicable to each indirect heat exchanger having a heat input capacity of more than 1,000,000 Btu per hour commenced on or after April 9, 1972.

1. **Operating Limitations:** 3.675 MMBTU/HR

2. **Emission Limitations:** NA

**Compliance Demonstration:**

The unit shall be deemed to be in compliance when the unit is burning No. 2 Fuel Oil and the operating limit is met.

Operating Limit (MMBTU/HR) = (Gallons/Hour No. 2 Fuel Oil) / (0.140 MMBTU/Gallon)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.

4. **Specific Monitoring Requirements:** None

5. **Specific Recordkeeping Requirements:** The permittee shall keep monthly records of the volume of No. 2 Distillate Fuel Oil burned.

6. **Specific Reporting Requirements:** None

7. **Specific Control Equipment Operating Conditions:** None

8. **Alternate Operating Scenarios:** None

**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	<u>Description</u>	<u>Generally Applicable Regulation</u>
1.	Three (3) Liquid Propane Gas (LPG) Space Heaters	401 KAR 59:010
2.	Acetone Storage Tank	None
3.	Diesel Storage Tank	None
4.	LPG Storage Tank	None

## **SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS**

1. As required by Section 1b of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC and PM emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
3. The permittee shall submit to the Division a Compliance Plan for 40 CFR 63 Subpart WWWW. The Compliance Plan shall contain the following information: What option(s) the permittee has chosen for meeting the requirements of this permit from 40 CFR 63 Subpart WWWW, Section 63.5810. 40 CFR 63 Subpart WWWW Requirements are due April 21, 2006.
4. 401 KAR 50:012 Compliance Demonstration Method:

The Permittee shall maintain monthly records of the purchase and usage of resin, gel coats or any VOC containing material. VOC emissions shall be calculated and recorded on a monthly basis. These records shall be summarized in tons per month VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. These records, as well as purchase orders and invoices for all VOC containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

VOC emissions from resin and gel coating operations shall be calculated by using the appropriate organic VOC emission factor from Table 1 of 40 CFR 63, Subpart WWWW.

Compliance Demonstration Equation:

Monthly VOC emissions from Resin & Gel Coat Operations = (Tons of Resin and Gel Coat Processed) x (Organic VOC EF; lbs of Organic VOC emitted per ton of resin and Gel Coat processed)

## **SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

## SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place as defined in this permit, and time of sampling or measurements;
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6 [Section 1b (V) 3, 4. of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period.
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality  
Paducah Regional Office  
4500 Clarks River Road  
Paducah, KY 42003-0823

U.S. EPA Region IV  
Air Enforcement Branch  
Atlanta Federal Center  
61 Forsyth St.  
Atlanta, GA 30303-8960

Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

**SECTION G - GENERAL PROVISIONS****(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
  - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
  - (a) Applicable requirements that are included and specifically identified in the permit and
  - (b) Non-applicable requirements expressly identified in this permit.
- (b) Permit Expiration and Reapplication Requirements
  1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
  2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].
- (c) Permit Revisions
  1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
  2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements  
**No construction authorized by this permit**

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
  - a. The date when construction commenced.
  - b. The date of start-up of the affected facilities listed in this permit.
  - c. The date when the maximum production rate specified in the permit application was achieved.
3. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.
5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.
6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

**SECTION G - GENERAL PROVISIONS (CONTINUED)****(e) Acid Rain Program Requirements**

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

**(f) Emergency Provisions**

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

**(g) Risk Management Provisions**

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 3346  
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
  - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

**40 CFR 63, Subpart WWW General Provisions**

Refer to 40 CFR, Subpart WWW, Table 15 for a list of which parts of the General Provisions in 40 CFR Subpart A, Section 63.1 through 63.15 that apply.

**SECTION H - ALTERNATE OPERATING SCENARIOS**

N/A

**SECTION I - COMPLIANCE SCHEDULE**

N/A